

INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS

The *Installation, Maintenance, and Repair* major occupation group has over 97 percent of its employment in middle-skill occupations. The three occupations with the most projected total openings in this group are *Maintenance and Repair Workers, General*; *Automotive Service Technicians and Mechanics*; and *First-Line Supervisors of Mechanics, Installers, and Repairers*. These three occupations combined are projected to have over 5,900 total job openings each year through 2032.

Top Middle-Skill Installation, Maintenance, and Repair Occupations by Annual Openings

Occupations	2022 Estimated Employment	2032 Projected Employment	Annual Openings		2023 Average Wage
			Difference	Total	
Maintenance and Repair Workers, General	32,437	34,812	238	3,254	\$48,080
Automotive Service Technicians and Mechanics	20,367	20,855	49	1,784	\$47,380
First-Line Supervisors of Mechanics, Installers, and Repairers	9,961	10,395	43	877	\$74,900
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	9,332	9,950	62	862	\$62,530
Bus and Truck Mechanics and Diesel Engine Specialists	7,626	7,734	11	642	\$56,560
Industrial Machinery Mechanics	5,919	6,873	95	587	\$58,880
Telecommunications Equipment Installers and Repairers, Except Line Installers	4,353	4,453	10	451	\$61,280
Installation, Maintenance, and Repair Workers, All Other	3,711	3,810	10	363	\$50,550
Automotive Body and Related Repairers	3,952	3,985	3	342	\$53,910
Mobile Heavy Equipment Mechanics, Except Engines	3,486	3,739	25	321	\$60,640

Skill requirements for occupations can be divided into *common skills* and *specialized skills*. Common skills are applicable across many different industries and occupations and are also known as “soft” skills. The top common skills for *Installation, Maintenance and Repair* occupations include *Troubleshooting* and *Communications*. Specialized skills are more specific to an occupation and are also known as “technical” or “hard” skills. The top specialized skills for *Installation, Maintenance and Repair* occupations include *HVAC* and *Plumbing*.

Certifications can be useful when pursuing an *Installation, Maintenance and Repair* occupation. Some certifications, such as an *Automotive Service Excellence Certification*, are more specialized to a narrow range of jobs, while other certifications, such as a *commercial driver’s license*, are generally applicable to a variety of jobs.

Top Skills

Top Common Skills	Top Specialized Skills
Troubleshooting (Problem Solving)	HVAC
Communications	Plumbing
Customer Service	Preventive Maintenance
Management	Hand Tools
Operations	Machinery

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Top Certifications

Valid Driver’s License
Automotive Service Excellence (ASE) Certification
Commercial Driver’s License (CDL)
HVAC Certification
EPA 608 Technician Certification

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